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中国蝽科二新种

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摘要 本文记述了蝽科二新种，分别属于珀蝽属（*Plautia* Stål）和卷蝽属（*Paterculus* Distant）。文中描述所用长度单位均为mm。

关键词 半翅目，蝽科，珀蝽属，卷蝽属，新种，中国

1 暗色珀蝽 *Plautia sordida* Xiong *et* Liu sp. nov.

长椭圆形，暗绿色，爪片和内革片暗棕红色，密布刻点。头基部刻点较密，向前端渐疏，具细皱纹，前端宽圆，中、侧叶约等长，侧缘微内凹。复眼棕褐或黑褐，单眼棕褐；单眼间距为单眼与复眼间距离的4.4—5.0倍。触角第1、2节与第3节的基部黄绿，第3节余部及第4、5节棕色，端部棕褐，各节长度0.45∶0.68∶0.79∶1.02∶1.14。前胸背板侧缘不成狭边状，边缘光滑，且有一细的黑褐色线纹，前胸背板刻点较稀，黑褐；前后缘内侧各具一列密集刻点形成的沟纹；侧角间宽约为中间长的2.6倍；前缘凹，前侧缘直，棱具褐或黑褐色宽纹，刻点稀疏而不显著；后侧缘及后缘微内凹；前角小刺状侧指；侧角及后侧缘棕红色，侧角内侧常具一棕褐色斑。小盾片宽略大于长，中域刻点较疏，两侧稍密，端部无刻点区域狭。前翅爪片及内革片刻点粗密、棕褐色；外革片刻点细小，常形成3行平行的刻点列，且中间一行至中折外侧一行的距离远小于至最外一列的距离，其间常具若干散在的刻点；前缘中部和端缘外弓成弧形。膜片烟褐，伸出腹端。侧接缘绿，外露较少，刻点细密同体色；后角尖齿状，后指，黑褐。腹部背板黑褐，刻点细密。

体下方绿，头部腹面，胸部腹板及腹部腹板的脊面常为淡黄褐色。腹部腹板脊面刻点极不明显。喙黄绿，端部黑褐，达第3腹节腹板，各节长0.57∶1.0∶0.8∶0.67。中胸纵隆脊较邻近种略显著，被浓密半直立短绒毛。后胸腹板无纵沟。足略绿，胫节末端及跗节暗棕色。腹基突微隆，有时在该腹节基区有一浅红色斑。雄虫生殖囊（图1—4）腹缘弧形，且向外扩展，腹缘内褶很发达；阳茎（图6）系膜中叶长圆锥形，侧叶较骨化，小；中交合板长大；抱器（图7）基部粗圆，端部成指状弯曲。雌虫生殖节（图5）第1载瓣片较平，内缘中部近平行，基部稍为分歧，端部分歧略宽。

体长：♂ 6.4—7.8，♀7.3—9.5，宽：♂ 4.9—5.3，♀5.8—6.0。

正模♂，云南（勐仑），1985. Ⅴ. 27，郑加容采。副模1♂，同正模，云南（勐腊）1981.Ⅴ.25，李昌廉采；3♀♀，云南（景洪），1973.Ⅴ.22—24，熊江采。模式标本均存

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该种体积小，与该属的其它种主要以雄性外生殖器相区别。

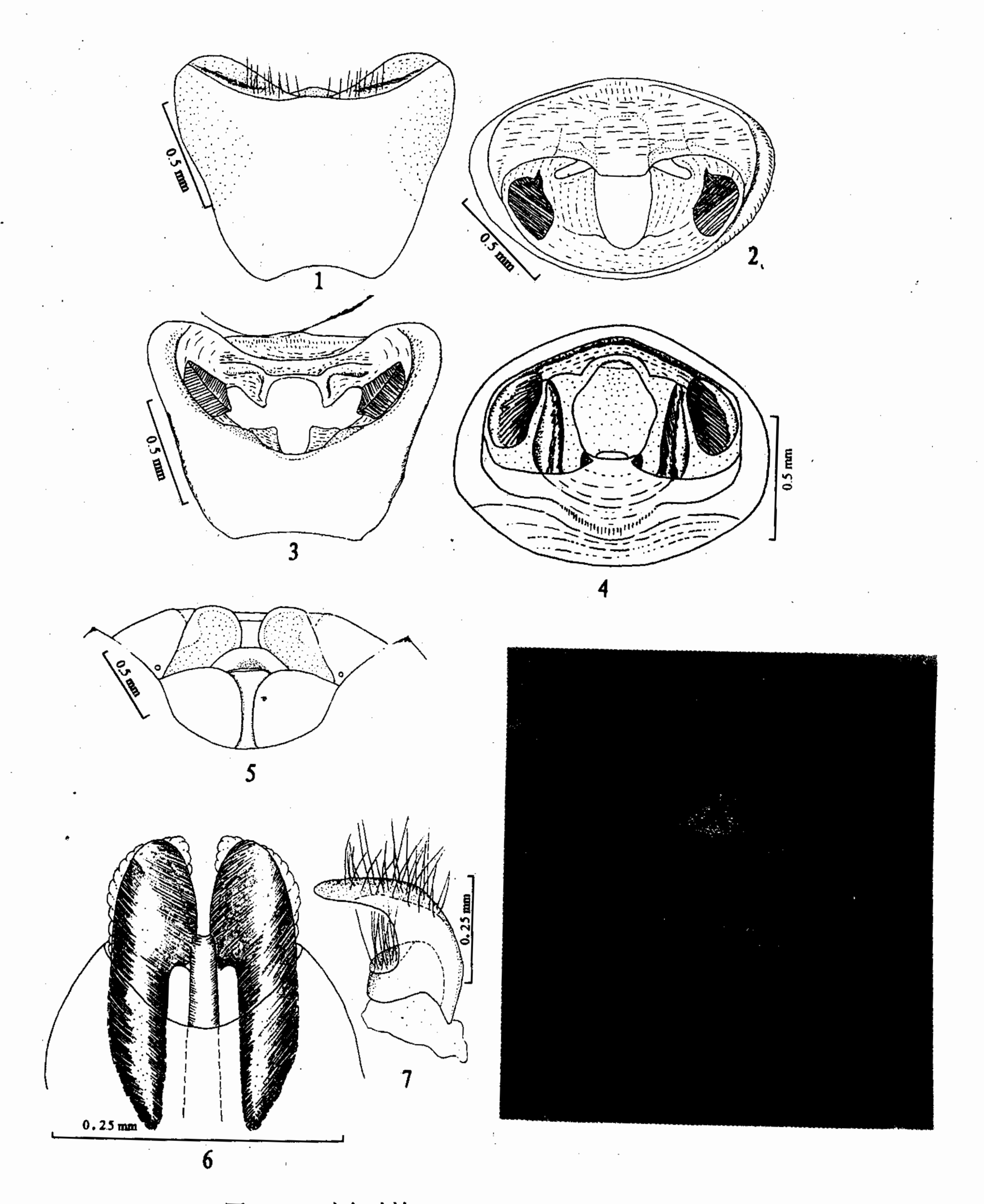


图 1—7　暗色珀蝽 *Plautia sordida* sp. nov.

1—4：雄虫生殖囊(male genital capsule); 5. 雌虫腹端腹面观(ventral view of female abdominal apex); 6. 阳茎(phallus); 7. 抱器(clasper)。

2　二齿卷蝽 *Paterculus bidentatus* Xiong *et* Liu sp. nov.

黄棕色，刻点均匀，黑褐；头部和前胸背板前叶明显较暗，刻点密，常毗连。头长宽比 1.35∶2.3，侧叶与中叶约等长或略长于中叶，但绝不在中叶前会合；侧叶具细皱纹，

宽约为中叶之3倍，最外缘黑褐，端缘略上卷；复眼内侧具一光滑的肾形淡色斑。触角黄褐，第3节端部1／3及第4、5节端部2／3黑，各节长为0.37∶0.95∶1.0∶1.4∶1.4。喙伸达后足基节。前胸背板两侧角间具1光滑的淡色狭横带分割明暗区；前缘中部及前侧缘基部2／3的边淡黄；前侧缘直，光滑，呈狭而翘折的边，端部1／3黑褐。小盾片基角具黑色小凹斑，两凹斑间常有1对不清晰的黑褐斑，中部前方具2个显著的黑色圆点，近末端两侧各有一暗色斑纹，小盾片端缘淡色细狭。前翅膜片淡褐，基角黑褐，超过腹端。侧接缘各节在接缝处外缘具小黑斑。体下方淡黄。胸侧板具宽阔的黑褐色纵带，前胸侧板后角具黑密刻点，沿后角前缘具一大的黑色长斑。足浅棕色，前、中腿节下方无刺。腹部各节前缘、侧区的斑点、第6腹节中央大斑、最外缘各节间的小斑点及气门黑褐色。雄虫生殖囊如图8—9，腹缘有2个显著的黑色尖齿。阳茎如图10，抱器如图11。

体长：♂7.9—8.5，♀9.2—9.3，宽：♂4.9—5.3，♀5.8—6.0。

正模♂，云南（景洪），1979.Ⅸ.14，熊江采。副模4♂♂、3♀♀，同正模。均存中国科学院昆明动物研究所。

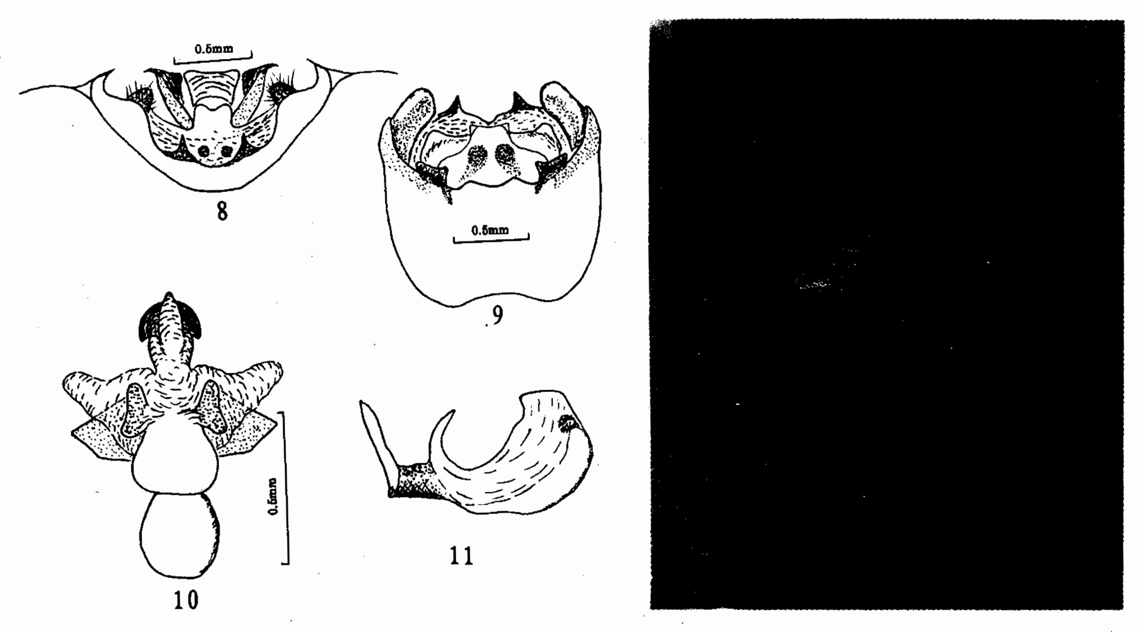


图8—11　二齿卷蝽 *Paterculus bidentatus* sp. nov.

8—9. 雄虫生殖囊(male genital capsule); 10. 阳茎(phallus); 11. 抱器(clasper)。

该种生殖节后面观与 *P. affinis* (Distant)极相似，但体型明显较后者小，体下方暗色纵带显著，阳茎有极显著差别。

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TWO NEW SPECIES OF PENTATOMIDAE FROM CHINA
(Heteroptera: Pentatomidae)

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Abstract

Two new species of Pentatomidae from China are discribed in this paper:

Plautai sordida **Xiong *et* Liu sp. nov.**

Description—Body length was ♂6.4–7.8 mm, ♀7.3–9.5 mm; pronotum width ♂4.0–4.8 mm, ♀4.2–5.4 mm; head, pronotum, scutellum and exocorium dark green; clavus and endocorium dark purplish brown; head surface finely rugose, vertex basally densely puntured, well-spaced apicad; head apex evenly and moderately rounded, lateral margins weakly sinuate before eyes; ocelli 4.4–5.0 times as far apart as distant from eyes; antennal segments Ⅰ, Ⅱ and base of Ⅲ yellowish green, the remainder of Ⅲ and Ⅳ, Ⅴ brown (apex dark brown), segments length 0.45:0.68:0.79:1.02:1.14 mm. Rostrum reaching third abdominal sternite, segments length 0.57:1.0:0.80:0.67 mm; pronotum with widely spaced blackish brown punctures, a single row of very dense punctuers just inside of anteroir and posterior margins; pronotum about 2.6 time as wide across lateral angles as long medially; antero-lateral margin straight, edge with a blackish brown thread; lateral angles roundly obtuse, weakly standing out base of embolar margin; lateral angles and inside of postero-lateral margins purplish brown; inside of lateral angles of ten with a ochraceous stain; scutellum wider than long; discal punctures well-spaced, becoming denser laerally, apex narrowly impunctate; clavus and endocorium with dense and coarse dark brown punctures; exocorium finely punctured, with three rows of punctures, embolar margin and apical margin feebly and convexly arcuate;

membrance fuliginous; connexivum green, little exposed; finely, densely and regularly punctured, punctures concolorous; posterior angles acut, blackish brown; abdominal tergum blackish brown, finely and densely punctured; body beneath yellowish brown, laterally green in color; pubescence on mesosternal carina dense; legs dark green, apices of tibiae and tarsi dark brown; base of venter centrally tumid.

Male pygofer as in Figs. 1–4; phallus as in Fig. 6; clasper as in Fig. 7; female genital segment as in Fig. 5: first valvifer flat, inner margin nearly parallel in the middle, leaving a space with divergent base and apex.

Holotype, Yunnan (Menglun), 1985.V.27, Zheng Jiarong leg; paratypes ♂, same as holotype, Yunnan (Mengla) 1981.V. 25, Li Changlian leg, 3♀♀, Yunnan (Jinhong) 1973.V. 22–24, Xiong Jiang leg. All type–specimens are kept in Kunming Institute of Zoology, the Chinese Academy of Science.

Paterculus bidentatus **Xiong *et* Liu sp. nov.**

Description—Yellowish brown, punctation dark, evenly spaced; coloration distinctly darker on the head anterior half of pronotum; head length 1.35, width 2.6; slightly reflexed at apex, lateral and central lobe almost of equal length, but not meeting at apex; antennae yellowish ochraceous, apex of 3–5 segments blackish brown, segment lengths 0.37: 0.95:1.0:1.4: 1.4 mm. Rostrum reaching the posterior coxae; pronotum with median portion of anterior margin and proximal 2/3 of antero–lateral margin light yellow; antero–lateral margin strainght, narrowly reflexed; connexivum with a small black spots between the sutures; body beneath yellowish, lateral area with a brown longitudinal fascia; male genital segment as in Figs. 8–9 phallus as in Fig. 10, clasper as in Fig.11; body length: ♂7.9–8.5 mm, ♀9.2–9.3 mm; width ♂ 4.9–5.3 mm, ♀5.8–6.0 mm.

Holotype (♂), Yunnan (Jinhong), 1979.IX.14, Xinog Jiang leg. Paratype 4♂♂,3♀♀, same as holotype. All type specimens are kept in Kunming Institute of Zoology, the Chinese Academy of science.

Allied to *P. affinis* (Distant), but smaller in size with different phallus.

Key words Heteroptera, Pentatomidae, Genus *Plautia* Stål, Genus *Paterculus* Disant, New species, China